

1

Notice of Allowability

Application No.

09/855,899

Examiner

Betsy L. Deppe

Applicant(s)

ROTSCH ET AL.

Art Unit

2637

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication filed 3/3/06.
2. ☒ The allowed claim(s) is/are 1,2,6-8 and 10-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

in claim 7, line 8, change "said first clock signal are absent, and if said first clocks signals are present" to --said first clock signal [are] is absent, and if said first clock [signals are] signal is present,--. These changes are made in order to be consistent with "first clock signal" on claim 7, line 4 and to be grammatically correct.

3. The following is an examiner's statement of reasons for allowance: a phase locked loop (PLL) generating a stable number of clock signals between two of the synchronizations signals and wherein a second clock signal is generated according to a signal from the phase regulator in the PLL unit as recited in claim 7, lines 3-4 and 8-14.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Betsy L. Deppe whose telephone number is (571) 272-3054. The examiner can normally be reached on Monday, Tuesday and Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Betsy L. Deppe
Primary Examiner
Art Unit 2637

EXAMINER'S AMENDMENT

ATTORNEY DOCKET
071308.0160

PATENT APPLICATION
09/855,899

5

6. **(Currently Amended)** The method of claim 51, wherein corrections in a period duration of said first clock signal, which are ascertained by said phase regulator from clock pulse to clock pulse, are taken into account both in said first clock signal and in said second clock signal.

7. **(Currently Amended)** A reception unit for synchronizing signals, said reception unit comprising:

a first clock transmitter, said first clock transmitter comprising a phase locked loop (PLL) unit outputting a first clock signal comprising a stable number of clock signals between two ~~[[of]]~~ synchronization signals received from a transmission unit; and

a second clock transmitter, said second clock transmitter using said first clock signal, said second clock transmitter generating a second clock signal with a predetermined clock frequency when said first clock signal ^{is} absent, and ^{signal is} if said first clock signals are present, generating said second clock signal with a predetermined clock frequency ~~by means of~~ according to an output signal of a phase regulator in said PLL unit, wherein a phase difference arising between said first clock signal and said second clock signal is compensated for by controlling said second clock signal in such a way that the phase difference between the first and second clock signal is reduced with predetermined steps.

8. **(Previously Presented)** The method of claim 7, wherein said phase regulator, upon receiving said synchronization signals, ascertains instantaneous phase errors and readjusts said first clock signal such that said first clock transmitter outputs a nominal number of clock signals between two synchronization signals.

9. **(Cancelled)**

Method for Controlled Synchronization to an
Astable Clock System, and Reception Unit
Corresponding Thereto
Inventors: Hendrik Rotsch et al.
Attorney Docket.: 071308.0160
Replacement Page 2 of 3

FIG 3

